

ABSTRACT

The present invention relates to a substantially pure biologically active
5 consecutive anti-angiogenic polypeptide comprising the central region of human
Histidine Rich Glycoprotein (HRGP). Said polypeptide is shown to comprise a potential
endogenous, naturally occurring subfragment of human HRGP, comprising similar anti-
angiogenic activities as the mature protein. The present invention also relates to one or
more new biologically active subfragments of human HRGP, derived from said central
10 region. Said subfragments are all characterized by having anti-angiogenic activity. One
of the active subfragments is referred to as Pep2. Encompassed by the present invention are
also anti-angiogenic subfragments derived from Pep2, one of them comprising a newly
identified presently minimal functional entity.